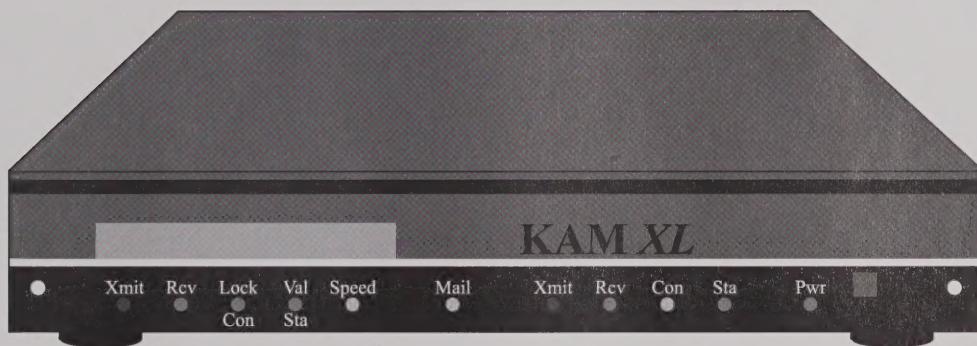


KAM XL

TM

Kantronics Multi-Mode DSP Controller, Designed by the Customer for the Customer.

The Kantronics original KAM (Kantronics All Mode) was a global revolution in digital communication. In Kantronics tradition, the KAM Plus evolved through customer suggestions and years of operating experience, making the Kantronics KAM Plus the most popular TNC on the global market. The KAM XL, Kantronics third generation multi-mode TNC, is a state-of-the-art design giving the customer operations on HF, VHF, and UHF, while supporting DSP modems and popular new modes of operation.



KAM XL Operations

- Packet 300 or 1200bps
- ASCII
- G-TOR™
- WEFAX
- Pactor I
- CW
- AMTOR ARQ
(FEC, SELFEC, CCIR 476 & 625)
- Dual Port Mailbox
- PSK31
- RTTY
- Remote SYSOP Access
- NAVTEX/AMTEX
- GPS NMEA-0183 compatible
- Kantronics Host Mode
- KISS

KAM XL™

Kantronics KAM XL is designed to operate in many different applications as the digital world continues to change. Engineered for years of dependable performance, the KAM XL also includes room for new modes and upgrades well into the future. Kantronics, the pioneer in digital communications, now offers you 30 years engineering experience in the Kantronics KAM XL.

Preliminary Specifications

System Control Processor	Motorola 68C12A4
System Memory	512K Flash, 512K Battery Backed RAM
DSP Chip	ADSP 2185M Processor
Power Requirements	7 to 18V, 150mA
Power Plug	Coaxial, center pin positive 2.1mm
External Connection Ports	Radio Ports 1&2, DB9 (female) Computer port, DB9 (female) Auxiliary port, DB9 (male) Telemetry port, DB15 (female)
PTT Watchdog timer	Approximately 2.5 minutes
External Carrier Detect	Pull down to ground
Data Rate, Port 1	45 to 1200bps
Data Rate, Port 2	300 to 1200bps
PTT Output	Open drain, +50VDC max
FSK Output	Open drain, +50VDC max
Audio Output	Continuously adjustable 10mv to 2V p-p
Output Impedance	600Ω AC coupled
Audio Input	<75dB
Dynamic Range	10KΩ or 620Ω
Input Impedance	Packet, PSK31, PACTOR, GTOR, AMTOR, RTTY, ASCII, CW, WeFax, NAVTEX/AMTEX, KISS, HOST, GPS
Operating Modes	HF or VHF PBBS access, KA-Node, Packet Gateway and Cross Connect, K-Net
Other Features	Power, Mail, Port 1 (Xmit, Rec, Lock/Con, Val/Sta, Speed, Tuning Bargraph) Port 2 (Xmit, Rec, Con, Sta)
LED Indicators	All controller functions, user defined password
Remote Control Access	KAM XL is protected by a one year limited warranty to the original owner
Warranty	

Specifications subject to change without notice or obligation. APRS™ is a registered trademark of Bob Bruninga, WB4APR. All trademarks referred to herein remain the property of their respective owners.

Quick Reference Guide to Kantronics Controllers

	High Speed	Ports	Packet	HF and VHF	Paging Monitor	GPS Ops	APRS® Ops	K-Net capable	9V batt option
KPC-3 Plus		One	Yes			Yes	Yes	Yes	Yes
KPC-9612 Plus	Yes	Two	Yes		Yes	Yes	Yes	Yes	
KAM XL		Two	Yes	Yes		Yes	Yes	Yes	
KAM 98		One	Yes	Yes		Yes	Yes		

Applications

■ GPS Compatible

With a GPS connected to the KAM XL, you can beacon your position to others via HF, VHF, or UHF. Kantronics KAM XL is engineered to work with APRS™ software and supports advanced UI frame digipeating functions.

■ HF and/or VHF Operations

With dual radio ports, the flexible Kantronics KAM XL can be used on HF, VHF, and UHF bands. The popular Kantronics KAM gateway feature between ports 1 and 2 allows for local packet to be received on one port, then transmitted on the other port.

■ Large capacity Internal Mailbox

480K personal mailbox is standard. The KAM XL mailbox can respond on HF in TOR modes, or in packet mode on either port.

■ Versatile Operations

The Kantronics KAM XL may be used at your base, in the field, or as a mobile. Designed for flexibility, the KAM XL can function with mobile, base, or hand-held radios.

■ Detailed Manual

The KAM XL manual will be shipped on a convenient 3.5 disc, and will be available at Kantronics website at www.kantronics.com.

This device has not been approved by the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased until the approval of the FCC has been obtained.

Kantronics

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Authorized Dealer